

# JVC



ENGLISH

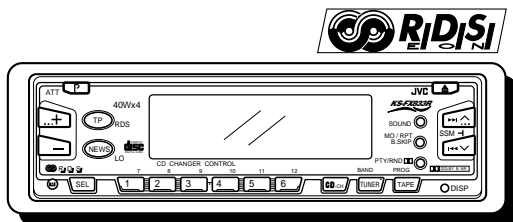
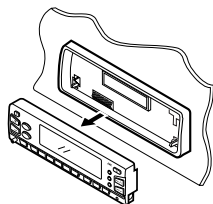
DEUTSCH

FRANÇAIS

NEDERLANDS

## CASSETTE RECEIVER CASSETTEN-RECEIVER RADIOCASSETTE RADIO/CASSETTESPELER

# KS-FX833R



For installation and connections, refer to the separate manual.

Für den Einbau und die Anschlüsse siehe das eigenständige Handbuch.

Pour l'installation et les raccordements, se référer au manuel séparé.

Bijzonderheden over de installatie en aansluiting van het apparaat vindt u in de desbetreffende handleiding.

## INSTRUCTIONS BEDIENUNGSANLEITUNG MANUEL D'INSTRUCTIONS GEBRUIKSAANWIJZING

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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#### BEFORE USE

##### \* For safety...

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

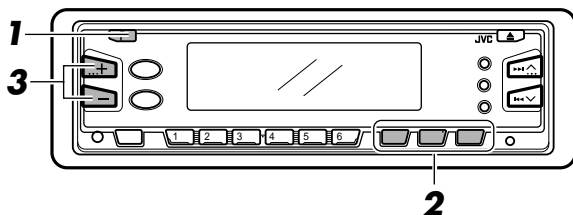
##### \* Temperature inside the car...

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

# BASIC OPERATIONS

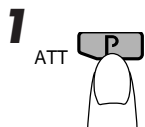


ENGLISH



## Note:

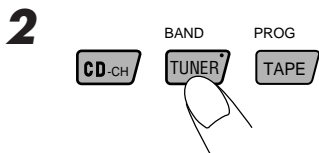
When you use this unit for the first time, set the built-in clock correctly, see page 21.



Turn on the power.

## Note on One-Touch Operation:

When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

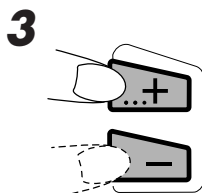


Select the source.

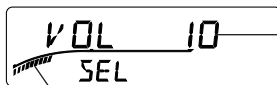
To operate the tuner, see pages 4 – 13.

To operate the tape deck, see pages 14 – 17.

To operate the CD changer, see page 29 – 31.



Adjust the volume.



Volume level appears.

Volume level indicator

**4** Adjust the sound as you want (see pages 18 – 20).

## To drop the volume in a moment

Press P/ ATT briefly while listening to any source. “ATT” starts flashing on the display, and the volume level will drop in a moment.

To resume the previous volume level, press the button briefly again.

## To turn off the power

Press P/ ATT for more than 1 second.

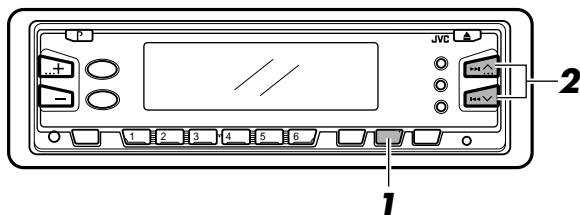
## Note:

For security reasons, a numbered ID card is provided with this unit, and the same ID number is imprinted on the unit's chassis. Keep the card in a safe place, as it will help the authorities to identify your unit if stolen.



# RADIO OPERATIONS

## Listening to the radio



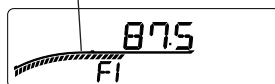
1

Select the band (F1 (FM1), F2 (FM2), F3 (FM3) or AM).

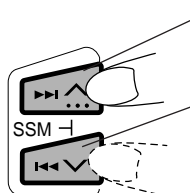


F1 → F2 → F3 → AM

Audio level indicator



2

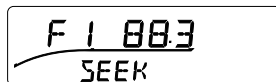


To search stations of higher frequencies.

To search stations of lower frequencies.

Start searching a station.

When a station is received, searching stops.



To stop searching before a station is received, press the same button you have pressed for searching.

### To tune in a particular frequency manually:

1 Select the band (FM or AM).

Press TUNER/BAND repeatedly.

2 Press and hold ►►| ^ or |◄◄ v until "MANU" starts flashing on the display.

Now you can manually change the frequency while "MANU" is flashing.

3 Press ►►| ^ or |◄◄ v repeatedly until the frequency you want is reached.

- If you hold down the button, the frequency keeps changing (in 50 kHz intervals for FM and 9 kHz intervals for AM—MW/LW) until you release the button.



### To tune in only stations with strong signals:

Press the NEWS/LO (Local) button for more than 1 second. "LOCAL" appears in the display.

#### Note:

*This function only works during station search or SSM operations.*

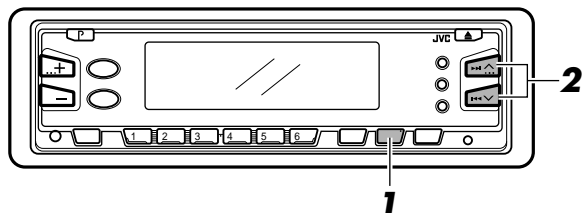
# Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

## FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (F1, F2, and F3).



1

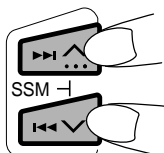


F1 → F2 → F3 → AM

Select the FM band number (F1 (FM1), F2 (FM2), or F3 (FM3)) you want to store FM stations into.

2

Press and hold both buttons for more than 3 seconds.



--SSM--  
F2

"SSM" appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (F1, F2 or F3). These stations are preset in the number buttons — No. 1 (lowest frequency) to No. 6 (highest frequency).

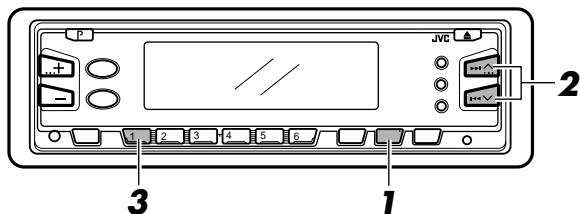
When automatic preset is over, the station stored in number button 1 will be automatically tuned in.



## Manual preset

You can preset up to 6 stations in each band (F1, F2, F3 and AM) manually.

EXAMPLE: Storing an FM station of 88.3 MHz into preset number 1 of the FM1 band



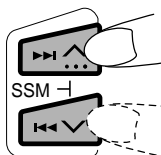
**1**



**F 1**

Select the F1 (FM1) band.

**2**

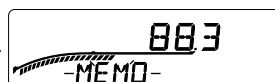
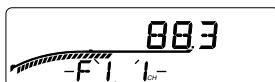
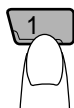


Tune into a station of 88.3 MHz.

See page 4 to tune into a station.

**3**

Press and hold the button for more than 1 second.



"F1 1CH" and "MEMO" flash alternatively.

**4**

Repeat the above procedure to store other stations into other preset numbers.

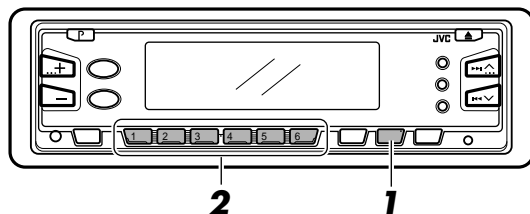
### Notes:

- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

## Tuning into a preset station

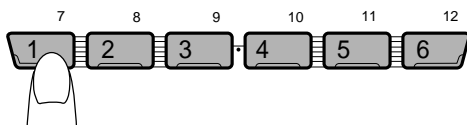
You can easily tune into a preset station.

Remember that you must store stations first. If you have not stored them yet, see pages 5 and 6.

**1**

**F1 → F2 → F3 → AM**

Select the band (F1 (FM1), F2 (FM2), F3 (FM3) or AM) you want.

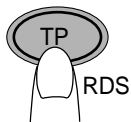
**2**

Select the number (1 – 6) for the preset station you want.

## Using RDS functions in the FM band

### RDS (Radio Data System)

#### RDS button



To select Network-Tracking mode, press the RDS button for more than 1 second.

- **Mode 1 (AF: Alternative Frequencies): on/REG: off):**

Network-Tracking is activated.

Switches between stations belonging to the network being received.

**Note:**

*In Mode 1, the broadcast may switch between different programmes even within the same network at certain times.*

- **Mode 2 (AF: on/REG: on):**

Network-Tracking is activated and Regional mode is engaged (switches between stations broadcasting the same programme, at all times).

- **Mode 3 (AF: off/REG: off):**

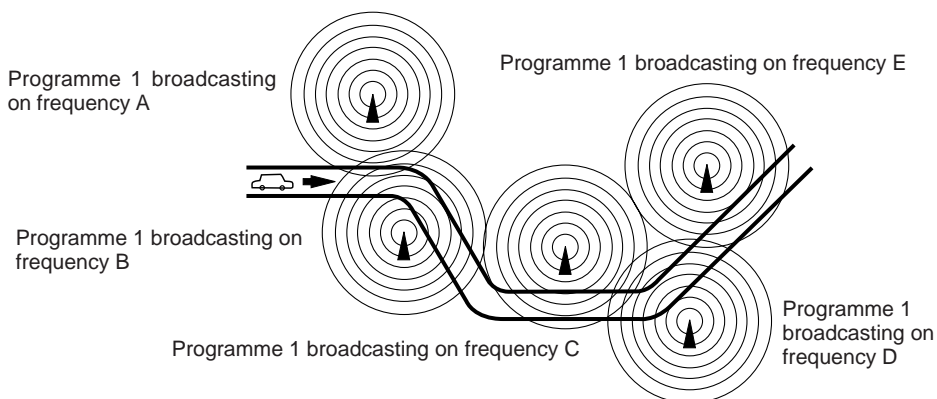
Network-Tracking is deactivated.

#### Network-Tracking reception

When driving in an area where the signal strength drops, the tuner automatically uses PI (Programme Identification) and AF codes to retune to the same programme with a stronger signal from another RDS station in the network. By utilizing these codes, you can continue to listen to the same programme in its finest condition, no matter where you drive. (See illustration.)

- When the RDS station to which you are tuned does not provide AF data or the unit is unable to receive AF data for any reason, Network-Tracking reception will NOT operate even when the signal strength drops below the reference level.

The same programme can be received on different frequencies.





## NEWS button

### Setting and operating NEWS standby mode



- When the NEWS button is briefly pressed in the FM mode, the “NEWS” indicator is lit during reception of a PTY station and the NEWS standby mode is engaged.

#### Note:

*When the station being received is not a PTY station, the “NEWS” indicator flashes. Press the ►►|▲ or ◀◀|▼ button to engage the NEWS standby mode. “SEARCH” appears in the display, and PTY station search starts. When a PTY station is tuned in, “NEWS” is lit.*

- If you are listening to a TAPE (or CD) and wish to hear a broadcast, press the NEWS button to enter the NEWS standby mode. (The “NEWS” indicator lights up.)

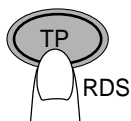
If a news programme starts broadcasting while the NEWS standby mode is active, “NEWS” is displayed and the FM mode is engaged. The volume increases to the preset level and the news programme can be heard.

#### Note:

*To deactivate the NEWS standby mode, press the NEWS button again.*

## TP (Traffic Programme) button

### Setting and operating TA (Traffic Announcement) standby mode



- When the TP button is pressed briefly in the FM mode, the “TP” indicator is lit during reception of a TP station and the TA standby mode is engaged.

#### Note:

*When the station being received is not a TP station, the TP indicator flashes. Press the ►►|▲ or ◀◀|▼ button to engage the TA standby mode. “SEARCH” appears in the display, and TP station search starts. When a TP station is tuned in, “TP” is lit.*

- If you're listening to a TAPE (or CD) and wish to hear a TA broadcast, press the TP button to enter the TA standby mode. (The “TP” indicator lights up.)

If a TA programme starts broadcasting while the TA standby mode is active, “T-INFO” is displayed and the FM mode is engaged. The volume increases to the preset “TA VOL” level and the TA programme can be heard (see page 11).

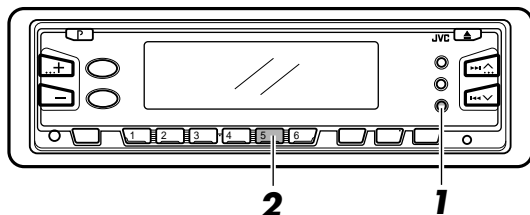
#### Note:

*To deactivate the TA standby mode, press the TP button again.*

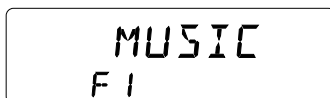
## PTY button

### Setting and operating PTY search mode

Ex. When selecting the programme type “CLASSICS”



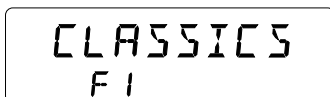
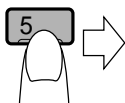
**1**



Select one of the following groups.

**SPEECH 1 → SPEECH 2 → MUSIC**  
 ↑ off ↓

**2**



Select a PTY using a number button (see the table on page 11).

- PTY station search starts after 5 seconds.

Successful programme search results in the desired PTY station being received so its programme can be heard.

- When a PTY station cannot be tuned in, the previous station is received.
- After searching, the PTY selected last will be memorized, then displayed first when PTY search is selected again.

#### Note:

*There may be areas where PTY functions (NEWS standby mode, PTY search) will not work.*

## PTY codes

PTY display		
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	Pro- gramme select button	Indication
SPEECH 1	No. 1	NEWS
	No. 2	AFFAIRS
	No. 3	INFO
	No. 4	SPORT
	No. 5	EDUCATE
	No. 6	DRAMA
SPEECH 2	No. 1	CULTURE
	No. 2	SCIENCE
	No. 3	VARIED
	No. 4	_____
	No. 5	_____
	No. 6	_____
MUSIC	No. 1	POP M
	No. 2	ROCK M
	No. 3	EASY M
	No. 4	LIGHT M
	No. 5	CLASSICS
	No. 6	OTHER M

## Descriptions of the PTY Codes

NEWS:	News
AFFAIRS:	Topical programmes expanding on current news or affairs
INFO:	Programmes which impart advice on a wide variety of topics
SPORT:	Sport events
EDUCATE:	Educational programmes
DRAMA:	Radio plays
CULTURE:	Programmes on national or regional culture
SCIENCE:	Programmes on natural sciences and technology
VARIED:	Other programmes like comedies or ceremonies
POP M:	Pop music
ROCK M:	Rock music
EASY M:	Easy listening music
LIGHT M:	Light music
CLASSICS:	Classical music
OTHER M:	Other music

## Other RDS functions

### EON (Enhanced Other Networks)

- When tuning in a broadcasting station transmitting EON data, the EON indicator is lit and the following operations start. EON automatically stores the frequencies of stations from other networks transmitting information codes (TP/TA/AF/PTY/PS (Programme Service), etc.) so they can be mutually used. The following points have been improved:

When listening to a station NOT transmitting traffic information or NEWS for example, EON automatically tunes to a station in a local network when this information is broadcast and then switches back to the original programme when the broadcast ends. The transmitted information (AF and other codes) is constantly and automatically updated so that preset programme information can be heard immediately even if in a different network area.

### Traffic information and NEWS volume control

This function adjusts the volume of traffic information or news broadcasts.

- Press the SEL button for more than 2 seconds to set the preferred setting mode.
- Select "TA VOL" with the SEL button.
- Set to the desired volume with the + or – button. (See page 23.)



## Number buttons

When a number button is pressed, if the station with that frequency is broadcasting a sufficiently strong signal, the receiver will tune to that frequency.

When the signal strength is not sufficient for good reception, by referring to the AF list, the receiver searches for a station broadcasting the same programme with a stronger signal. If a station cannot be found in the AF list, PI-seek tuning starts. If a station broadcasting the same PI code cannot be detected in one search-cycle, PI-seek tuning is released and the original preset frequency is tuned to.

## CT (Clock Time)

When CT data is received in the RDS signal, the time is correctly renewed.

- RDS updates the local time according to Greenwich Mean Time.
- When automatic renewal of clock time is NOT required, follow the steps below.

1. Press the SEL button for more than 2 seconds to set the preferred setting mode.
2. Select "AUTO ADJ" with the SEL button.
3. Press the "—" level control button and set to "ADJ OFF". (See page 23.)

Once these steps are completed, clock time is not renewed even if the CT (Clock Time) data is received with the RDS signal. When you wish to reactivate this mode, repeat the same procedure and in Step 3 press the "+" Level Control button to set to "ADJ ON." In the activated mode, clock time is automatically renewed when the CT data is received.

### Note:

*It takes at least 2 minutes to renew the time after receiving CT data. The station must be received for more than 2 minutes continuously, otherwise the clock time will NOT be renewed.*

## Display Mode

Setting the main display mode.

1. Press the SEL button for more than 2 seconds to set the preferred setting mode.
2. Select "DISPMODE" with the SEL button.
3. Select the desired mode with the + or – button.  
Station name (PS NAME) ↔ Frequency being received (FREQ) ↔ Clock time (CLOCK) → (See page 23.)

### Note:

*When the "CLOCK" mode is set, clock time remains on the main display even during tape (or CD) playback.*

## Display Button

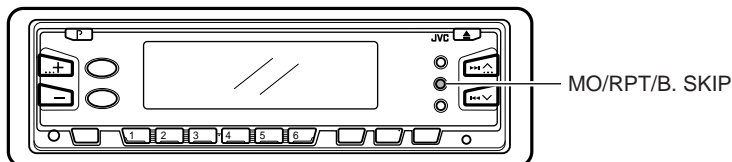
The DISP button is used to select the Operation (Tuner, Tape or CD) and Clock modes. Each time the button is pressed, the display changes as follows:

Operation mode (Station name\* → Frequency being received → PTY\* ; or TAPE; or CD) → Clock time.

The display returns to the initially preset mode after a short while.

- \* When the RDS or PTY signal is weak or when not tuned to an RDS or PTY station, the station name or PTY is NOT displayed.

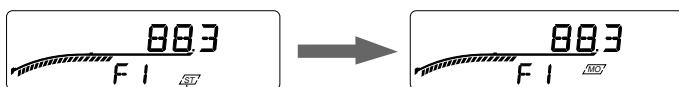
## Other convenient tuner functions



### Selecting FM reception sound

**When an FM stereo broadcast is hard to receive:**

Press MO/RPT/B.SKIP (Mono/Repeat/Blank Skip) while listening to an FM stereo broadcast. The sound you hear becomes monaural but reception will be improved.



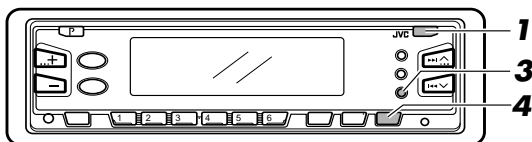
Lights when receiving an FM broadcast in stereo.

To restore the stereo effect, press the same button again.

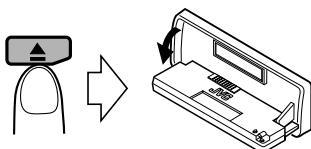


# TAPE OPERATIONS

## Listening to a tape

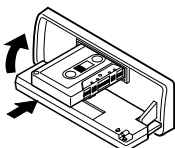


1



Open the control panel.

2



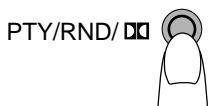
Insert a cassette and close the control panel.

The unit turns on and tape play starts automatically. When one side of the tape reaches its end during play, the other side of the tape automatically starts playing. (Auto Reverse)

### Note on One-Touch Operation:

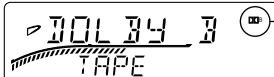
When a cassette is already in the cassette compartment, pressing TAPE/PROG turns on the unit and starts tape play automatically.

3



Turn on or off the Dolby B NR\* as needed.

Each time you press the button, the Dolby B NR turns on and off.



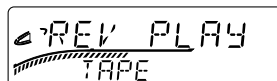
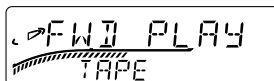
This indicator lights up when the Dolby B NR is turned on.


4



Select the tape direction.

Each time you press the button, the tape direction changes alternatively.



\* Dolby Noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.



## To stop play and eject the cassette

Press **▲**.

Tape play stops and the cassette automatically ejects from the cassette compartment.

If you change the source to AM/FM (or CD), the tape play also stops (without ejecting the cassette this time).

- *You can also eject the tape with the unit turned off.*

## Prohibiting tape ejection

You can prohibit the tape ejection and can “lock” a tape in the cassette compartment.

Press and hold **TAPE** and **P/ATT** for more than 2 seconds. “EJECT” flashes on the display for about 5 seconds, and the tape is “locked.”

**To cancel the prohibition and “unlock” the tape**, press and hold **TAPE** and **P/ATT** for more than 2 seconds again. “EJECT” flashes again for about 5 seconds, and this time the tape is “unlocked.”

## To fast-forward and rewind a tape

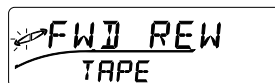
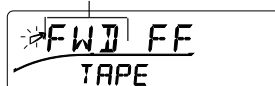
- Press **▶▶|▲** for more than 1 second to fast-forward the tape.

When the tape reaches its end, the tape is reversed and playback starts from the beginning of the other side.

- Press **|◀◀▼** for more than 1 second to rewind the tape.

When the tape reaches its end, playback of the same side starts.

Tape direction



**To stop fast-forward and rewind at any position on the tape**, press **TAPE/PROG**.

Tape play starts from that position on the tape.

### Note:

*While fast-forwarding or rewinding, this unit changes the source to the tuner, and you can listen to the last received station. (Tuner Call Play)*

*If you do not want to use Tuner Call Play, you can cancel this function. See page 24 for details.*

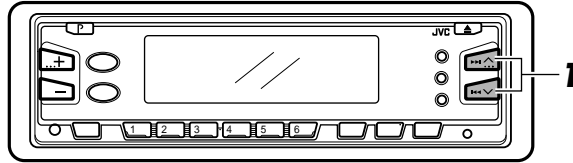
## About Automatic Tape Type Detection

With the Automatic Tape Type Detection mechanism provided for this unit, you can listen to type I, II and IV tapes without changing any settings.

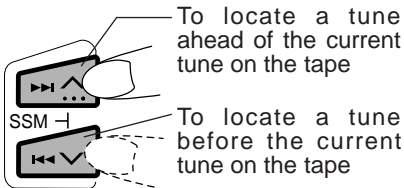


## Finding the beginning of a tune

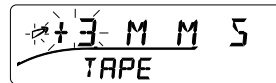
Multi Music Scan allows you to automatically start playback from the beginning of a specified tune. You can specify up to 9 tunes ahead or before the current tune.



### 1 During playback



Specify how many tunes ahead or before the current tune the tune you want is located.



Each time you set the tune, the number changes up to  $\pm 9$ .

When the beginning of the specified tune is located, playback starts automatically.

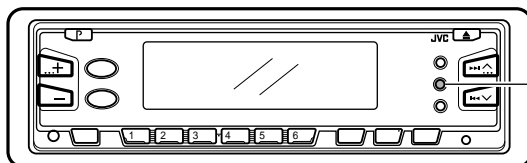
### Notes:

- While locating a specified tune:
  - If the tape is rewound to its beginning, playback starts from the beginning of that side.
  - If the tape is fast forwarded to the end, it is reversed and played from the beginning of the other side.
- In the following cases, the Multi Music Scan function may not operate correctly:
  - Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions during tunes.
  - Tapes with short non-recorded sections.
  - Tapes with high a level of noise or humming between tunes.
  - The Dolby NR setting does not match. For example, if the tape was recorded with the Dolby C NR.





## Other convenient tape functions



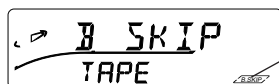
MO/RPT/B.SKIP

### ***Skipping the blank portions on the tape***

You can skip blank portions between the tunes. (Blank Skip)

Press the MO/RPT/B.SKIP (Mono/Repeat/Blank Skip) button for more than 1 second to turn Blank Skip on and off.

When this function is on, the unit skips blank portions of 15 seconds or more, fast forwards to the next tune, then starts playing it.

MO / RPT  
B.SKIP

This indicator lights up when Blank Skip is in use.

- When the tape reaches its end while fast-forwarding, the tape direction will be changed automatically.

### ***Playing the current tune repeatedly***

You can play the current tune repeatedly. (Repeat Play)

Each time you briefly press MO/RPT/B.SKIP (Mono/Repeat/Blank Skip) while playing a tape, Repeat Play turns on and off alternatively.

MO / RPT  
B.SKIP

This indicator lights up when Repeat Play is in use.

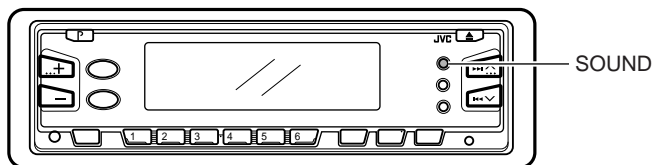
#### **Notes:**

- In the following cases, Blank Skip and Repeat Play may not operate correctly:
  - Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions during tunes.
  - Tapes with short non-recorded sections.
  - Tapes with high level noise or humming between tunes.
  - The Dolby NR setting does not match. For example, if the tape was recorded with the Dolby C NR.

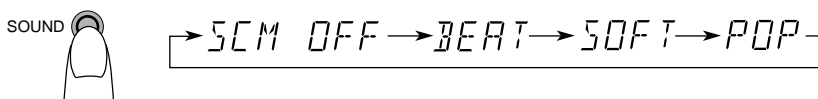
# **SOUND ADJUSTMENTS**

## Selecting preset sound modes

You can select a preset sound adjustment suitable to the music genre.



Each time you press SOUND, the sound mode changes as follows.



Indication	For:	Preset values		
		Bass	Treble	Loudness
SCM OFF	(Flat sound)	00	00	On
BEAT	Rock or disco music	+02	00	On
SOFT	Quiet background music	+01	-03	Off
POP	Light music	+04	+01	Off

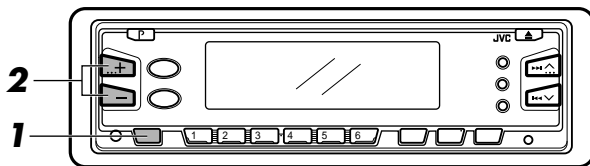
### Notes:

- You can adjust the preset sound mode as you like, and store it in memory.  
If you want to adjust and store your original sound mode, see “Storing your own sound adjustments” on page 20.
- To adjust only the bass and treble reinforcement levels as you like, see “Adjusting the sound” on page 19.



## Adjusting the sound

You can adjust the sound characteristics to your preference.



**1**  Select the item you want to adjust.

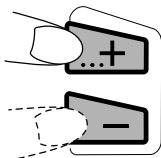
→ **BAS** → **TRE** → **FAD** → **BAL** → **LOUD** → **VOL**

Indication	To do:	Range
BAS (Bass)	Adjust the bass	−06 (min.) — +06 (max.)
TRE (Treble)	Adjust the treble	−06 (min.) — +06 (max.)
FAD (Fader)*	Adjust the front and rear speaker balance	R06 (rear only) — F06 (front only)
BAL (Balance)	Adjust the left and right speaker balance	L06 (left only) — R06 (right only)
LOUD (Loudness)	Boost low and high frequencies to produce a well-balanced sound at low volume level.	ON — OFF
VOL (Volume)	Adjust the volume	00 (min.) — 50 (max.)

**Note:**

\* If you are using a two-speaker system, set the fader level to “00” (center).

## 2



### Adjust the level.

Press the + button to turn on the loudness function, and the − button to turn it off.

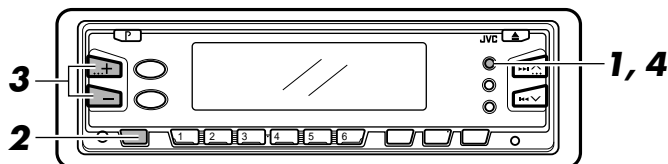
**Note:**



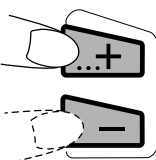

Normally the + and − buttons work as the volume control buttons. So you do not have to select “VOL” to adjust the volume level.



## Storing your own sound adjustments

You can adjust the sound modes (BEAT, SOFT, POP: see page 18) as you like and store your own adjustments in memory.



- 1**  **SOUND**  
Call up the sound mode you want to adjust.  
See page 18 for details.  
**Within 5 seconds**
- 2**  **SEL**  
Select "BAS", "TRE" or "LOUD".  
**Within 5 seconds**
- 3**   
Adjust the bass or treble level or turn the loudness function ON/OFF.  
See page 19 for details.  
**Within 5 seconds**
- 4**  **SOUND**  
Press and hold SOUND until "MEMO" flashes on the display.  
Your setting is stored in memory.

- 5** Repeat the same procedure to store other settings.

### To reset to the factory settings

Repeat the same procedure and reassign the preset values listed in the table on page 18.

## Setting the clock

### Selecting 24-hour or 12-hour clock display

(Set to 24-hour at the factory)

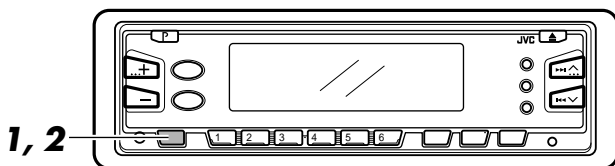
1. Press the SEL button for more than 2 seconds to set the preferred setting mode (see page 23).
2. Select the “24H/12H” mode with the SEL button.
3. Select 24H or 12H with the level control buttons (+, -).

### How to select the clock mode as the main display mode

1. Press the SEL button for more than 2 seconds to set the preferred setting mode (see page 23).
2. Select “DISPMODE” with the SEL button.
3. Select “CLOCK” with the level control buttons (+, -).

With the clock display mode selected, when any other operation button is pressed, the display mode of the source you selected is shown.

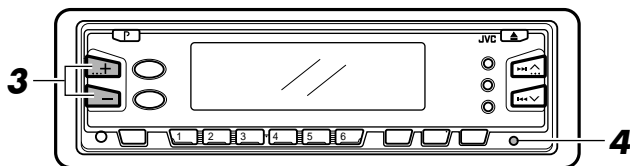
After a few seconds, the display returns to the clock mode.

**1**

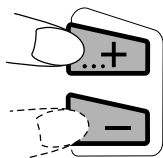
Press and hold the button for more than 2 seconds to set the preferred setting mode. (See page 23.)

**2**

Select “CLK ADJ” if not shown on the display.



3



- Minute
- Hour

Set the hour and minute.

4



Start the clock.

## To check the current clock time (changing the dispZde)

Press DISP repeatedly. Each time you press the button, the display mode changes as follows.

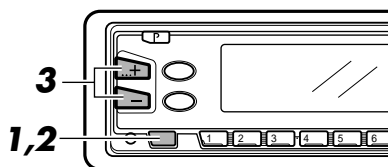
During tuner operation:	During tape operation:	During CD operation:
Frequency ↔ Clock (See page 12 when RDS is on.)	Play mode ↔ Clock	Elapsed playing time ↔ Clock

- If the unit is not in use when you press DISP, the power turns on, the clock time is shown for 5 seconds, then the power turns off.

## Storing your own mode settings

### Preferred setting mode (PSM) control

This mode has been set at the factory, but it can be set to suit your needs.



1



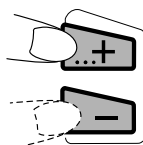
Press the SEL button for more than 2 seconds to set the preferred setting mode.

2



Select each mode.

3



Set the desired mode.

1, 2	SEL	3		Factory-preset settings	See page
Select.		Set.			
CLK ADJ	Clock adjustment	Hour	Minute	0:00	21-22
24H/12H	24/12-hour time display	12H	24H	24H	21
AUTO ADJ	Automatic setting of the clock	ADJ OFF	ADJ ON	ADJ ON	12
DISPMODE	Display mode	PS NAME ↔ FREQ ↕ CLOCK ↕		PS NAME	12
TA VOL	Traffic announcement volume	VOL (00-50)	VOL (00-50)	VOL (20)	11
LEVEL	Level display	AUDIO (signal) ↔ ANTENNA (tuner sensitivity) ↕ OFF (volume) ↕		AUDIO	25
BEEP	Key-touch tone	OFF	ON	ON	25
DIMMER	Dimmer	AUTO ↔ OFF ↕ ON ↕		AUTO	24
COLOR*	Colour	AMBER	GREEN	GREEN	—
TEL	Audio mute for cellular phone system	OFF ↔ MUTING 1 ↕ MUTING 2 ↕		OFF	26
TU CALL	Tuner call	OFF	ON	ON	24

\* This function (COLOR) is not applicable for this unit though shown on the display.

## Selecting the dimmer mode

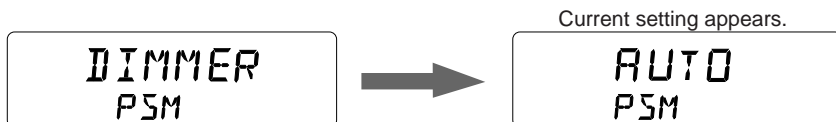
When you turn on the car head lights, the display and control buttons automatically dims (Auto Dimmer).

When shipped from the factory, the Auto Dimmer function has been activated.

If you want to cancel this function, follow the procedure below and select "OFF".

- AUTO: Activates Auto Dimmer
- OFF: Cancels Auto Dimmer
- ON: Activates Dimmer

1. Press SEL for more than 2 seconds to set the preferred setting mode (see page 23).
2. Select "DIMMER" with the SEL button.



3. Press +/- to select the dimmer mode you want to use.  
Each time you press the button, the dimmer mode changes as follows.



### Note on Auto Dimmer:

*Auto Dimmer equipped with this unit may not work correctly on some vehicles, particularly on those having a control dial for dimming.*

*In this case, set the dimmer mode to "ON" or "OFF".*

## Turning on/off Tuner Call Play

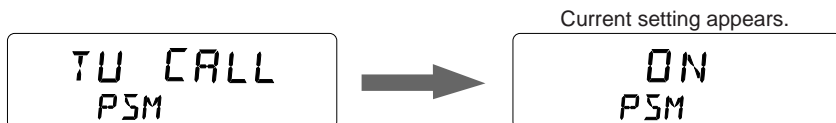
When you start fast forwarding or rewinding a tape, the source changes to the tuner temporarily and you can listen to the last received station. After fast-forwarding and rewind is stopped, tape play resumes automatically.

When shipped from the factory, Tuner Call Play has been activated.

If you want to cancel this function, follow the procedure below and select "OFF".

- ON: Activates Tuner Call Play
- OFF: Cancels Tuner Call Play

1. Press SEL for more than 2 seconds to set the preferred setting mode (see page 23).
2. Select "TU CALL" with the SEL button.



3. Press – to select "OFF" (or press + to select "ON" again).



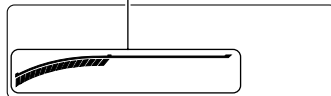
## Changing the level indicator mode

When shipped from the factory, the level indicator on the display shows the audio level setting.

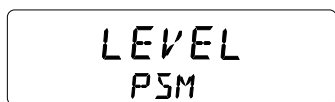
You can change it by following the procedure below.

- AUDIO: Audio level indicator
- ANTENNA: Tuner sensitivity indicator
- OFF: Volume setting indicator

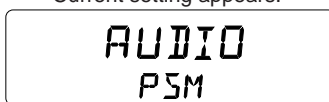
Level indicator  
"ANT" lights up when the indicator mode is set to tuner sensitivity.



1. Press the SEL button for more than 2 seconds to set the preferred setting mode (see page 23).
2. Select "LEVEL" with the SEL button.



Current setting appears.



3. Press +/- to select the level indicator mode you want to use.  
Each time you press the button, the level indicator mode changes as follows:



## Turning on/off the key-touch tone

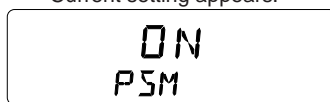
You can deactivate the key-touch tone if you do not want to make it beep when you press a button. When shipped from the factory, the key-touch tone is activated.

- ON: Activates the key-touch tone.
- OFF: Deactivates the key-touch tone.

1. Press and hold the SEL (Select) for more than 2 seconds to set that "PSM" appears on the lowerpart of the display.
2. Select "BEEP" with the SEL button.



Current setting appears.



3. Press +/- to select the setting you want to use.  
Each time you press the button, the setting changes as follows:

OFF ↔ ON

### Notes:

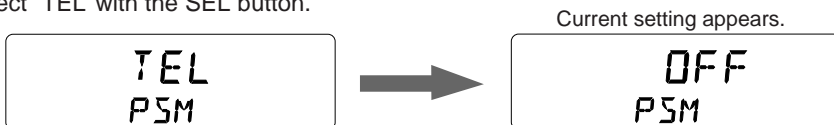
- Key-touch tone comes out of the front speakers only. If you have only rear speakers connected in your car, no key-touch tone comes out.
- If you have connected an external amplifier, key-touch tone sounds louder. In this case, adjust the volume control of the connected amplifier.

## Selecting the telephone muting

This mode is used when a cellular phone system is connected. Depending on the phone system used, select either "MUTING 1" or "MUTING 2," whichever mutes the sounds from this unit. When shipped from the factory, this mode is deactivated.

- **MUTING 1:** Select this if this setting can mute the sounds.
- **MUTING 2:** Select this if this setting can mute the sounds.
- **OFF:** Cancels the telephone muting.

1. Press and hold the SEL (Select) for more than 2 seconds to set that "PSM" appears on the lowerpart of the display.
2. Select "TEL" with the SEL button.



3. Press +/- to select the setting you want to use.  
Each time you press the button, the setting changes as follows:



## Detaching the control panel

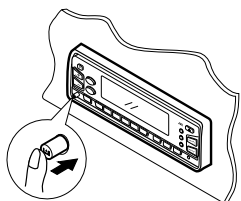
You can detach the control panel when leaving the car.

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

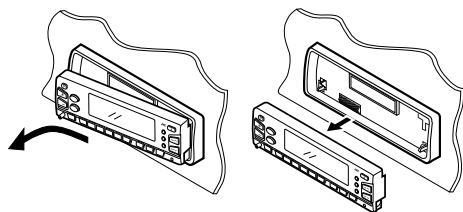
### How to detach the control panel

Before detaching the control panel, be sure to turn off the power.

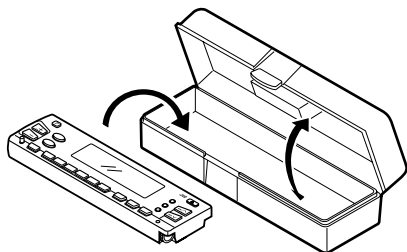
#### 1 Unlock the control panel.



#### 2 Pull the control panel out of the unit.

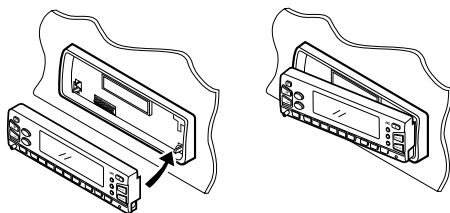


#### 3 Put the detached control panel into the provided case.

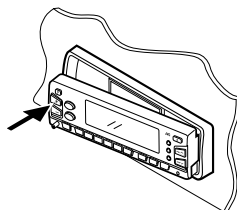


### How to attach the control panel

#### 1 Insert the right side of the control panel into the groove on the panel holder.



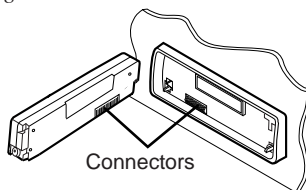
#### 2 Press the left side of the control panel to fix it to the panel holder.



#### Note on cleaning the connectors:

*If you frequently detach the control panel, the connectors will deteriorate.*

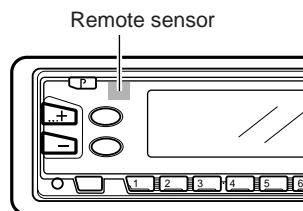
*To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.*



# **REMOTE OPERATIONS**

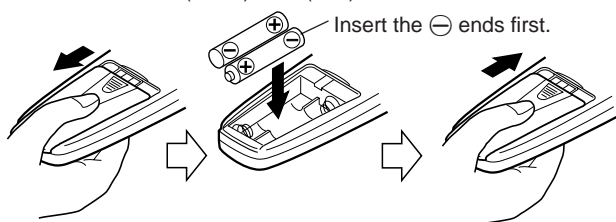
Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).



## Installing the batteries

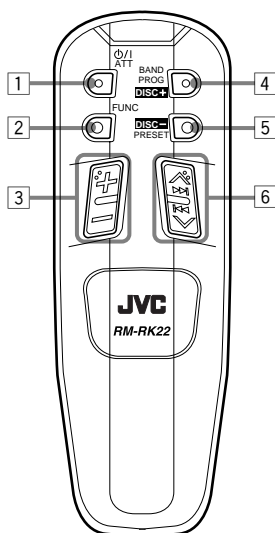
R03 (UM-4)/AAA (24F)



Insert the  $\ominus$  ends first.

When the controllable range or effectiveness of the remote controller decreases, replace the batteries —R03 (UM-4)/AAA (24F)

## Using the remote controller



- 1 Functions the same as the P/ATT button on the main unit.
- 2 Select the source.  
Each time you press FUNC (function), the source changes.
- 3 Functions as the +/- buttons on the main unit.
  - Does not function for the preferred setting mode adjustments.
- 4
  - Functions as the BAND button while listening to the radio. Each time you press this button, the band changes.
  - While listening to the CD changer, each time you press the button, the disc number increases and the selected disc starts playing.
  - Functions as the PROG button while listening to a tape.
- 5
  - While listening to the radio, each time you press the button the preset station number increases, and the selected station is tuned in.
  - While listening to the CD changer, each time you press the button the disc number decreases, and the selected disc starts playing.
- 6
  - Functions as the station searching buttons while listening to the radio.
  - Functions as the fast-forward or rewind buttons or Multi Music Scan buttons while listening to a tape.
  - Functions as the fast-forward or reverse buttons or track selecting buttons while listening to the CD changer.

# CD CHANGER OPERATIONS

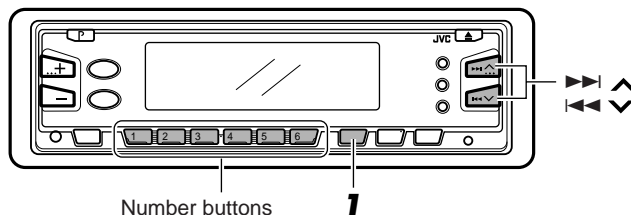
We recommend that you use one of the CH-X series with your KS-FX833R. If you have another CD automatic changer, consult your JVC car audio IN CAR ENTERTAINMENT for connections.

- For example, if your CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K) for connecting it to this unit.

Before operating your CD automatic changer:

- Refer also to the Instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
- If "RESET 1 - RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection, connect the connecting cord(s) firmly if necessary, then press the reset button of the CD changer.

## Playing CDs



1

### Select the CD automatic changer.

Playback starts from the first track of the first disc.  
All tracks of all discs are played back.

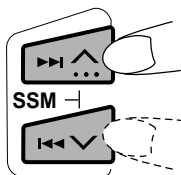


### Note on One-Touch Operation:

When you press CD-CH, the power automatically comes on. You do not have to press P/ATT to turn on the power.



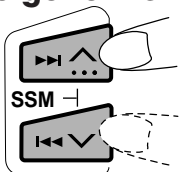
## To fast-forward or reverse the track



Press and hold **▶▶|▲**, while playing a CD, to fast-forward the track.

Press and hold **◀◀▼**, while playing a CD, to reverse the track.

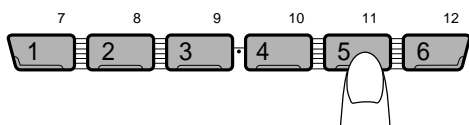
## To go to the next track or the previous track



Press **▶▶|▲** briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next track is located and played back.

Press **◀◀▼** briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous track is located and played back.

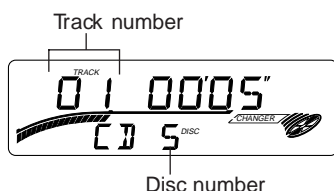
## To go to a particular disc directly



Press the number button corresponding to the disc number to start its playback.

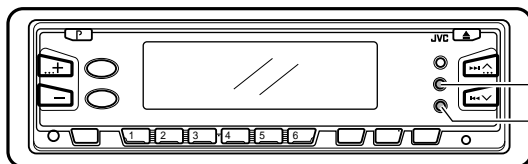
- To select a disc number from 1 – 6:  
Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12:  
Press and hold 1 (7) – 6 (12) for more than 1 second.

Ex. When disc number 5 is selected





## Selecting CD playback modes



MO/RPT/B.SKIP

PTY/RND/□□

### To play back tracks at random (Random Play)

PTY/RND/□□



Each time you press PTY/RND/□□ while playing a CD, CD random play mode changes as follows:

→ **RND 1** → **RND 2** → **Canceled**  
(Random 1) (Random 2)

Mode	RANDOM Indicator	Plays at random
RND 1	Lights	All tracks of the current disc, then the tracks of the next disc, and so on.
RND 2	Flashes	All tracks of all discs inserted in the magazine.

### To play back tracks repeatedly (Repeat Play)

MO / RPT  
B.SKIP

Each time you press MO/RPT/B.SKIP (Mono/Repeat/Blank Skip) while playing a CD, CD repeat play mode changes as follows:

→ **RPT 1** → **RPT 2** → **Canceled**  
(Repeat 1) (Repeat 2)

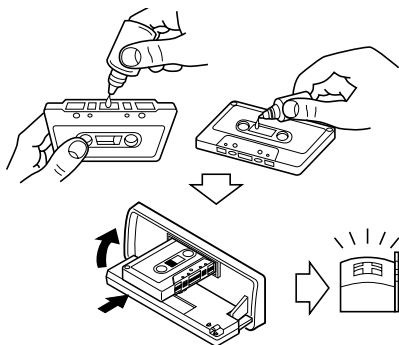
Mode	REPEAT Indicator	Plays repeatedly
RPT 1	Lights	The current track (or specified track).
RPT 2	Flashes	All tracks of the current disc (or specified disc).

# ?! MAINTENANCE

## To extend the lifetime of the unit

This unit requires very little attention, but you will be able to extend the life of the unit if you follow the instructions below.

### To clean the heads

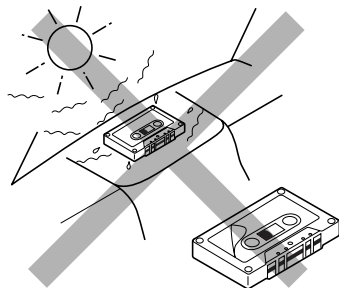


- Clean the heads after every 10 hours of use using a wet-type head cleaning tape (available at an audio store).

When the head becomes dirty, you may realize the following symptoms:

- Sound quality is reduced.
- Sound level decreases.
- Sound drops out.
- Do not play dirty or dusty tapes.
- Do not touch the highly-polished head with any metallic or magnetic tools.

### To keep the tape clean



- Always store the tapes to their storage cases after use.
- Do not store tapes in the following places:
  - Subject to direct sunlight
  - With high humidity
  - At extremely hot temperatures

### CAUTIONS:

- *Do not play the tapes with peeling labels; otherwise, they can damage the unit.*
- *Tighten tapes to remove slack since loose tape may become entangled with the mechanism.*
- *Do not leave a cassette in the cassette compartment after use, as the tape may become slack.*

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The function below is also provided to ensure the longer life of this unit.

### Ignition key-off Release/Ignition key-on play

- When you turn off the ignition key with a cassette in the compartment, the unit automatically releases the tape from its head.
- When you turn on the ignition key with a cassette in the compartment, playback automatically starts.



# TROUBLESHOOTING

What appears to be trouble is not always serious. Check the following points before calling a service center.

Symptoms	Causes	Remedies
<ul style="list-style-type: none"> <li>A cassette tape cannot be inserted.</li> </ul>	You have tried to insert a cassette in the wrong way.	Insert the cassette with the exposed tape facing right.
<ul style="list-style-type: none"> <li>Cassette tapes become hot.</li> </ul>	This is not a malfunction.	_____
<ul style="list-style-type: none"> <li>Tape sound is at very low level and sound quality is degraded.</li> </ul>	The tape head is dirty.	Clean it with a head cleaning tape.
<ul style="list-style-type: none"> <li>Sound is sometimes interrupted.</li> </ul>	Connections are not good.	Check the cords and connections.
<ul style="list-style-type: none"> <li>Sound cannot be heard from the speakers.</li> </ul>	The volume control is turned to the minimum level.	Adjust it to the optimum level.
	Connections are incorrect.	Check the cords and connections.
<ul style="list-style-type: none"> <li>SSM automatic preset does not work.</li> </ul>	Signals are too weak.	Store stations manually.
<ul style="list-style-type: none"> <li>Static noise while listening to the radio.</li> </ul>	The antenna is not connected firmly.	Connect the antenna firmly.
<ul style="list-style-type: none"> <li>"NO DISC" appears on the display.</li> </ul>	No CD is in the magazine.	Insert CDs into the magazine.
	CDs are inserted incorrectly.	Insert them correctly.
<ul style="list-style-type: none"> <li>"RESET 8" appears on the display.</li> </ul>	This unit is not connected to a CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
<ul style="list-style-type: none"> <li>"RESET 1-RESET 7" appears on the display.</li> </ul>	_____	Press the reset button of the CD changer.



# SPECIFICATIONS

## AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 40 watts per channel

Rear: 40 watts per channel

Continuous Power Output (RMS):

Front: 16 watts per channel into 4  $\Omega$ , 40 to 20,000 Hz at no more than 0.8% total harmonic distortion.

Rear: 16 watts per channel into 4  $\Omega$ , 40 to 20,000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4  $\Omega$  (4 to 8  $\Omega$  allowance)

Tone Control Range:

Bass:  $\pm 10$  dB at 100 Hz

Treble:  $\pm 10$  dB at 10 kHz

Frequency Response: 40 to 20,000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance: 2.0 V/20 k $\Omega$  load  
(CD changer mode)

## TUNER SECTION

Frequency Range:

FM: 87.5 to 108.0 MHz

AM: (MW) 522 to 1,620 kHz

(LW) 144 to 279 kHz

### [FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0  $\mu$ V/75  $\Omega$ )

50 dB Quieting Sensitivity:

16.3 dBf (1.8  $\mu$ V/75  $\Omega$ )

Alternate Channel Selectivity (400 kHz):

65 dB

Frequency Response: 40 to 15,000 Hz

Stereo Separation: 30 dB

Capture Ratio: 1.5 dB

### [MW Tuner]

Sensitivity: 20  $\mu$ V

Selectivity: 35 dB

### [LW Tuner]

Sensitivity: 50  $\mu$ V

## CASSETTE DECK SECTION

Wow & Flutter: 0.11 % (WRMS)

Fast-Wind Time: 100 sec. (C-60)

Frequency Response (NR-OFF):

50 to 18,000 Hz ( $\pm 3$  dB) (Metal/CrO<sub>2</sub> tape)

50 to 16,000 Hz ( $\pm 3$  dB) (Normal tape)

Signal-to-Noise Ratio: (Normal tape)

(Dolby NR-ON): 62 dB

(Dolby NR-OFF): 54 dB

Stereo Separation: 40 dB

## GENERAL

Power Requirement:

Operating Voltage: DC 14.4 volts (11 to 16 volts allowance)

Grounding System: Negative ground

Dimensions (W x H x D)

Installation Size:

182 x 52 x 150 mm

Panel Size: 188 x 58 x 14 mm

Mass: 1,4 kg (excluding accessories)

*Design and specifications subject to change without notice.*

